

RoHS COMPLIANT

Overview
 Bandwidth: 500MHz
 OD: 6.0mm
 Conductor: 26AWG
 Approvals: RoHS
 Connector: RJ45 Cat.6A male to female

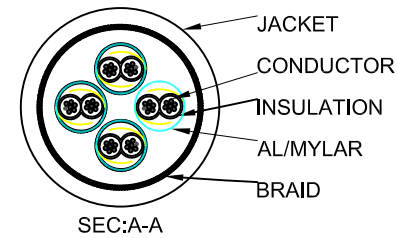
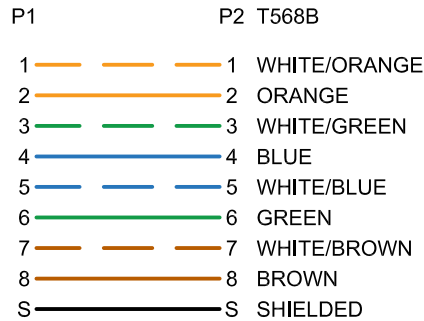
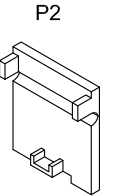
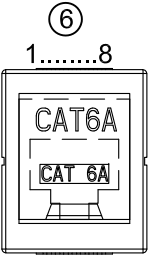
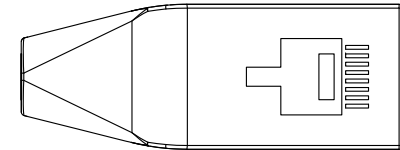
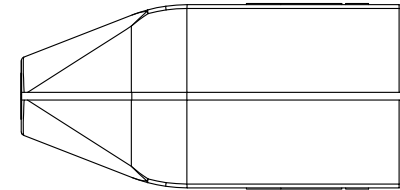
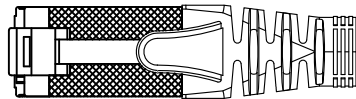
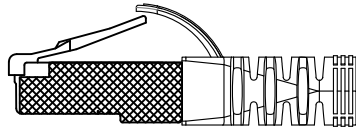
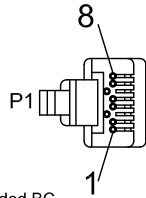
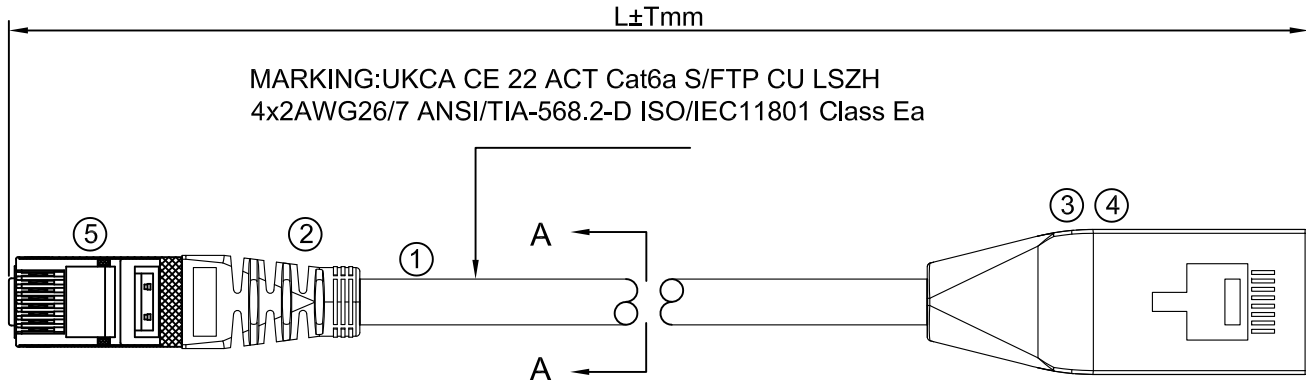
Physical Characteristics
 •Cable Type – CAT6A S/FTP
 •Connector Type(s) – RJ45
 •Wiring Scheme – T568B
 •Temperature Rating
 • Installation: 0°C-50°C
 • Operation: -20°C-60°C
 •Voltage Rating – 30V

Conductor (Qty. 4 twisted pair)
 • Conductor Type – 26AWG(7/0.16mm), Stranded BC
 • Insulation – FoPE
 • Diameter – 1.04±0.05mm
 • Pair Identification:
 • Pair1=Orange, Orange-White
 • Pair2=Blue, Blue-White
 • Pair3=Green, Green-White
 • Pair4=Brown, Brown-White

Connector Type (Qty. 2)
 Connector-1:
 Type: Shielded 8P8C (RJ45)
 Gender-Male
 Connector Material – PC
 Contact Material- Copper Alloy, Gold Plating – 50um
 Connector-2:
 Type: Shielded 8P8C (RJ45)
 Gender-Female
 Connector Material – Zinc Alloy
 Contact Material- Copper Alloy, Gold Plating – 50um

Overall Cable
 • Jacket – LSZH
 • Minimum Average Thickness – 0.60mm
 • Outer Diameter – 6.0 ± 0.20mm

Electrical Characteristics
 • Conductor DC Resistance – 15.2Ω/100m (maximum)
 • Impedance – 100Ω
 • Capacitance – 5600pf/100m
 • Propagation Delay – 545ns/100m (maximum)
 • Delay Skew – 45ns/100m (maximum)
 • Maximum POE rating: IEEE 802.at(PoE+)
 • Minimum bending radius:4D
 • Test Limit: DSX 8000 TIA CAT 6A Modular Plug Terminated Link Test (Randomly test, not 100% test)

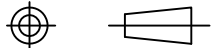



Dust Cap

NO.	SPECIFICATION	Q'TY	ITEM NO:	MPTL (Modular Plug Terminated Link) Cat.6A S/FTP Cable Adapter	DRAWER DATE	FW 20210616
6	RJ45 Female Connector: 8P8C 50U' GOLD PLATED FEMALE.		TITLE		CHECKED DATE	ACE 20210616
5	RJ45 Male Connector: 8P8C 50U' GOLD PLATED PLUG		CUSTOMER		APPROVED DATE	
4	INNER MODEL: LD-PE TRANSPARENT MOLDED BOOT.		MATERIAL	SCALE		
3	MOLDED: PVC MOLDED BOOT.		REV.	A	UNIT	MM
2	MOLDED: ASSEMBLE BOOT.		DRAWING NO:	10616140		
1	CABLE: CAT6A S/FTP[26AWG(7/0.16±0.008mm)+AL/MYLAR]*4+BRAID(16*5/0.12AL-MG) OD:Ø6.0±0.2MM LSZH JACKET.		ACAD FILE	E:\		
BOM LIST						

RoHS COMPLIANT

Length	Blue<RAL5015>	Tolerance
1M	FB1501	±15mm
2M	FB1502	±30mm
3M	FB1503	±30mm
5M	FB1505	±60mm
7M	FB1507	±60mm
10M	FB1510	±80mm

ITEM NO:	MPTL (Modular Plug Terminated Links) Cat.6A S/FTP Cable Adapter		DRAWER DATE	FW 20210616
TITLE			CHECKED DATE	ACE 20210616
CUSTOMER			APPROVED DATE	
MATERIAL		SCALE		
REV.	A	UNIT	MM	
DRAWING NO:	10616140			
ACAD FILE	E:\			